



THE ISLE OF WIGHT  
**college**

## LOCATION

The Isle of Wight College is a general further education college, established in 1951, offering training opportunities across a broad curriculum.

## SALIX FUNDING

Interest-free government funding is currently available for a number of energy projects, if you are interested contact a member our team today.

# CASE STUDY

## Isle of Wight College Newport, Isle of Wight

Established in 1951, the Isle of Wight College offers training opportunities across a broad curriculum. From higher education and apprenticeships through to employer training and vocational courses, this further education college reflects the needs of the local community. In recent years the Isle of Wight College has invested millions in growing campus facilities.

Salix Finance Ltd. provides interestfree government funding to the public sector, which includes further education colleges, to improve their energy efficiency, reduce carbon emissions and lower energy bills. Salix have a conservative approach to estimating savings from voltage management technology and the payback for a project needs to be under 5 years to secure funding. Salix has delivered over 14,000 energy projects and over £116 million of savings per annum. The Isle of Wight College utilised this funding and installed two **powerPerfector** voltage optimisation units in 2012 as part of a voltage management project.

Whilst the reduction in electricity consumption across the two existing **powerPerfector** units was originally predicted at 8.5%, records of actual consumption show achieved savings of 11%

(Sixth Form & LRC) and 17% (J Block). This helped to quicken the payback making the 0% interest repayments much lower than the savings achieved.

The third install of a **powerPerfector** Plus was more complex than the previous two, with a survey being undertaken before the unit was manoeuvred up 15 steps before being built in situ. A success which was made possible with careful planning, coordination between iESCo and the college and a trusted installation team. All three units were installed by iESCo approved contractors.

"The performance of the three **powerPerfector** optimisers at the College has far exceeded all expectations. Our optimisers give savings of 17%, 11% and 11% across our three electricity meters - evidenced by data."

Philip J Smith, Estates Manager  
Isle of Wight College

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## INFORMATION

Unit: **powerPerfector Plus**  
Unit size: **175kVA - 350kVA**  
Install date: **Aug 2012 - Jul 2015**  
Energy savings: **11% - 17%**

